



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52190

Entry Year 2020

Acreage: 2,401

County Cheboygan

Management Area: Cheboygan Basin Moraines

Revision Date: 2018-05-14

Stand Examiner: Dan Heckman

Legal Description:

T35N R01W Sections 9, 10, 15, 16.

Identified Planning Goals:

To provide for the protection, integrated management, and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan.

Soil and topography:

Cheboygan and Blue Lake associations cover this entire compartment, which are mostly well drained and moderately well drained sandy soils. Much of the topography is flat, but there are areas of rolling hills, with a few steep slopes present.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

This compartment was acquired through a conservation easement in conjunction with the Little Traverse Nature Conservancy in 2007. The land was purchased with MNRTF monies from Harry Peterson. Mr. Peterson operated an American bison ranch on the property since 1990, named Lee Grande Ranch. With the acquisition of the property, the State of Michigan dedicated this area as a non-motorized, walk-in hunting area only. The entire perimeter of the property is enclosed by a wire fence. The compartment is surrounded by large, contiguous blocks of state-owned land, especially to the east. The private ownership in the NW corner of the compartment is an active beef farm.

Unique Natural Features:

None listed.

Archeological, Historical, and Cultural Features:

None listed.

Special Management Designations or Considerations:

In 2014, the State of Michigan formally dedicated this compartment as a GEMS site (Grouse Enhancement Management System). The area will be intensively managed to provide excellent habitat for ruffed grouse and woodcock, with aspen being managed on a 40 year harvest rotation. Numerous hunter walking trails and old two-track roads are established within the compartment. There is a resident herd of approximately 30 - 40 elk within the compartment.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

This compartment consists mainly of aspen and herbaceous grasslands. The aspen in this compartment will be aggressively managed to benefit grouse and woodcock under the GEMS (Grouse Enhancement Management System). Openings will be supplemented with hard and soft mast. Management of the aspen and open lands will also benefit white-tailed deer and wild turkey.

Mineral Resource and Development Concerns and/or Restrictions

There is no active mining in the vicinity of the compartment. There is some sand & gravel within the compartment, but there also appears to be abundant clay. There has been some exploration for oil and gas within the compartment but no development (all dry holes). There is no known oil & gas potential in this area and there is currently no active mineral leasing.

Vehicle Access:

Motorized vehicles are not allowed into the compartment. Two parking lots with information boards are located on the east and west boundaries.

Survey Needs:

None.

Recreational Facilities and Opportunities:

The Stoney Creek Horse Campground is located about 1/2 mile to the south of the compartment, with the trail running just outside the east boundary of the compartment. A designated snowmobile trail exists about one mile to the east.

Fire Protection:

The MDNR Indian River Field Office and the Tuscarora VFD are located about 12 miles to the west.

Additional Compartment Information:

The following reports from the Inventory are attached:

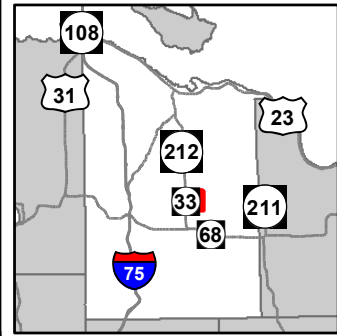
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

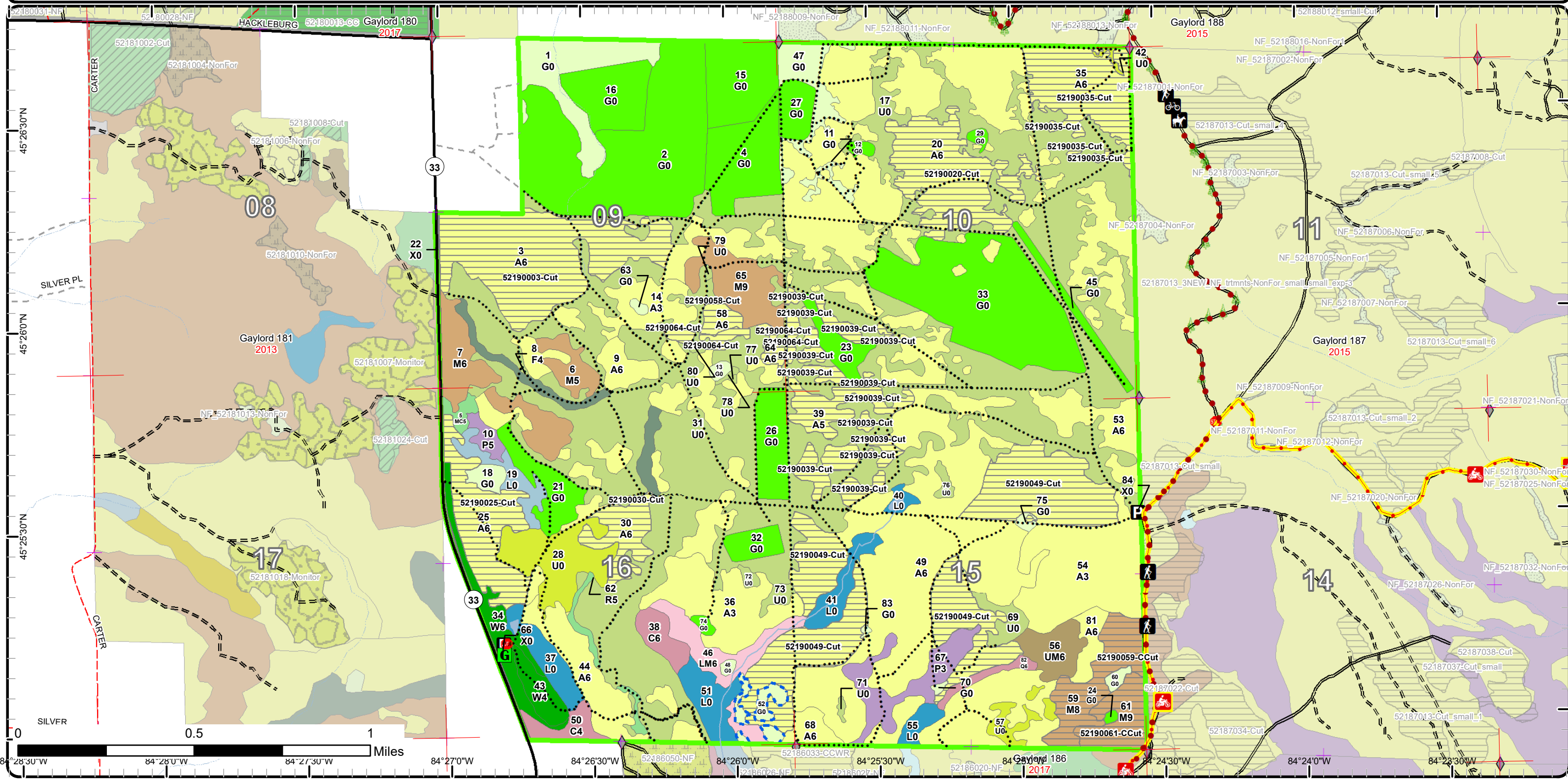
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 190
 T35N, R01W, Sec. 9, 10, 15, 16
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Cheboygan Basin
 Moraines
 YOE: 2020
 Acres: 2,401 GIS Calculated
 Examiner: Dan Heckman
 Map Revised: 10/1/2018
 Map Phase: Post-Review

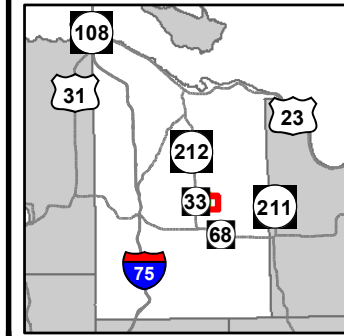


- Miris Corners
- Remonumented Section Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- Private - Dirt / Gravel Road
- Hiking Trails
- Bike Trails
- Horse Trails
- Motorcycle Trails (DNR License)
- MCCCT Trails
- Designated Equestrian Trails
- ORV License & Trail Permit
- Michigan Cross Country Cycle Trail (MCCCT)
- Gate
- Parking Lot
- Sign
- Tree (marking)
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 211 - Cropland
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- Lakes

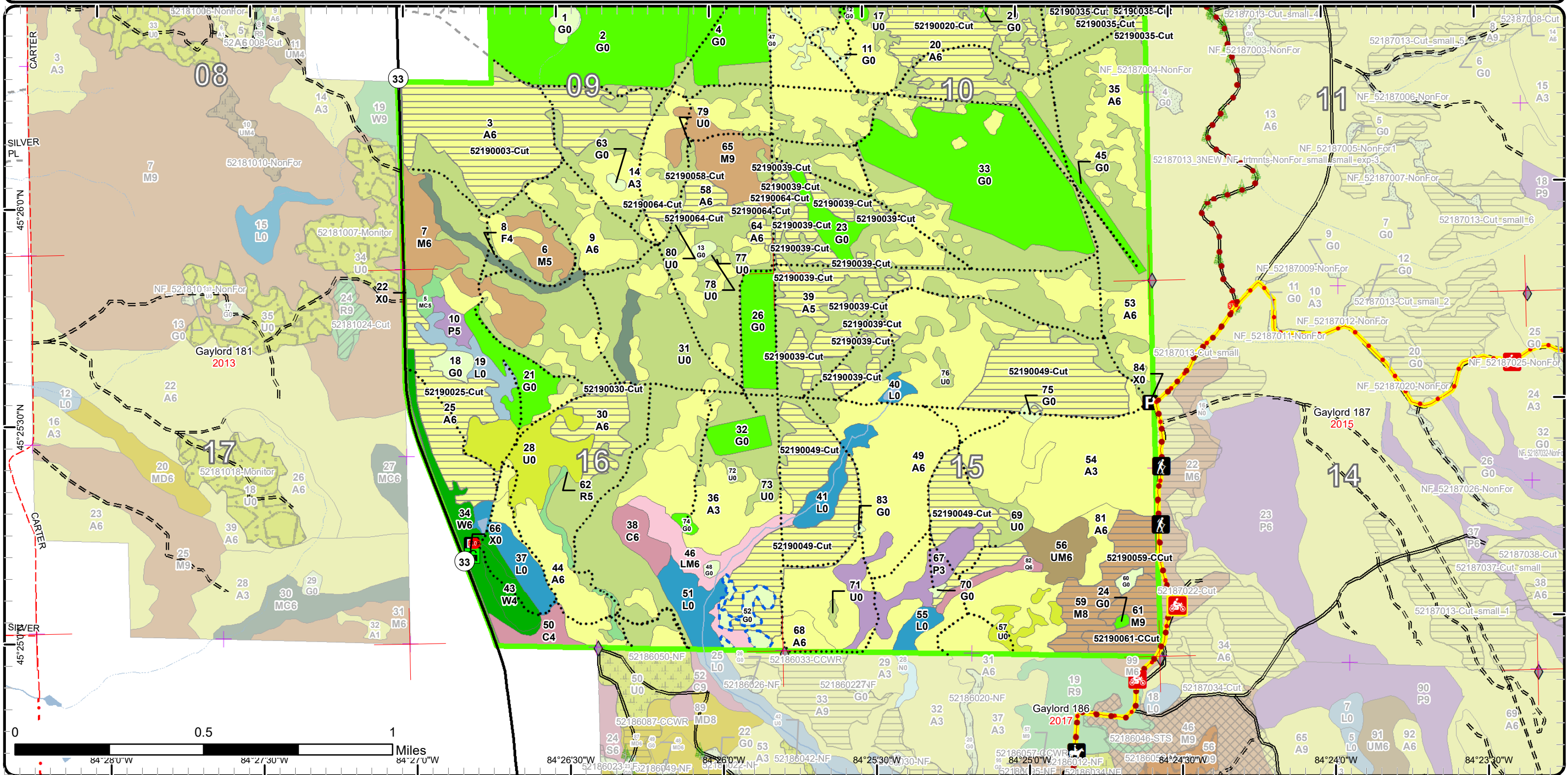


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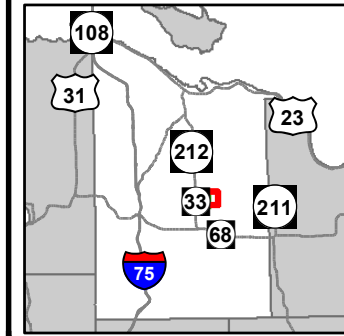


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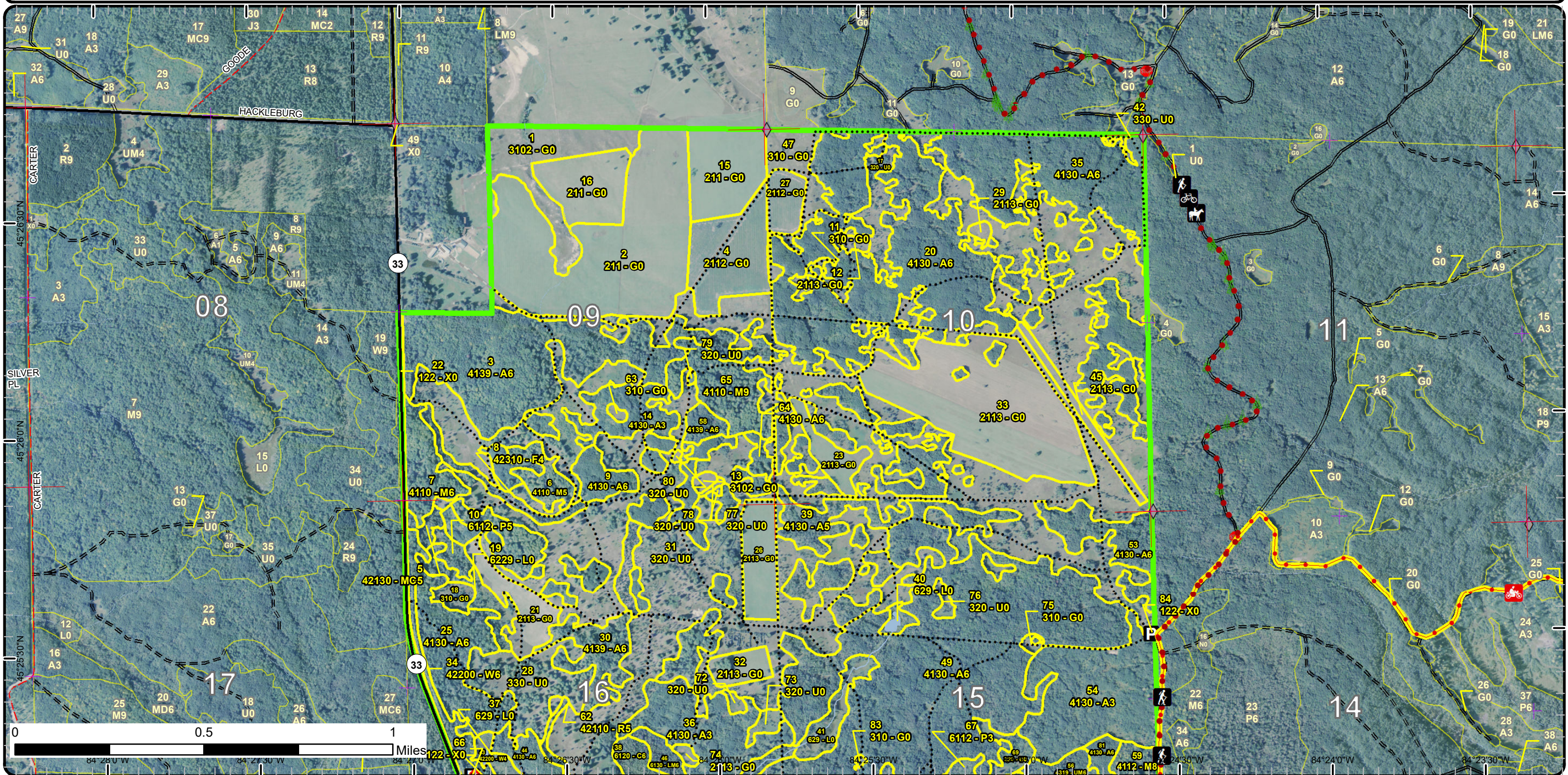


Stand Boundary Map

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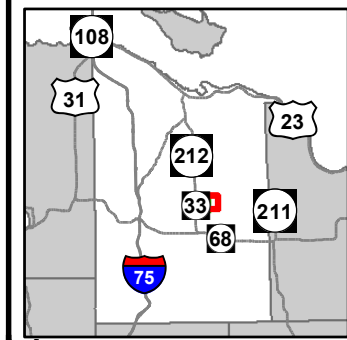


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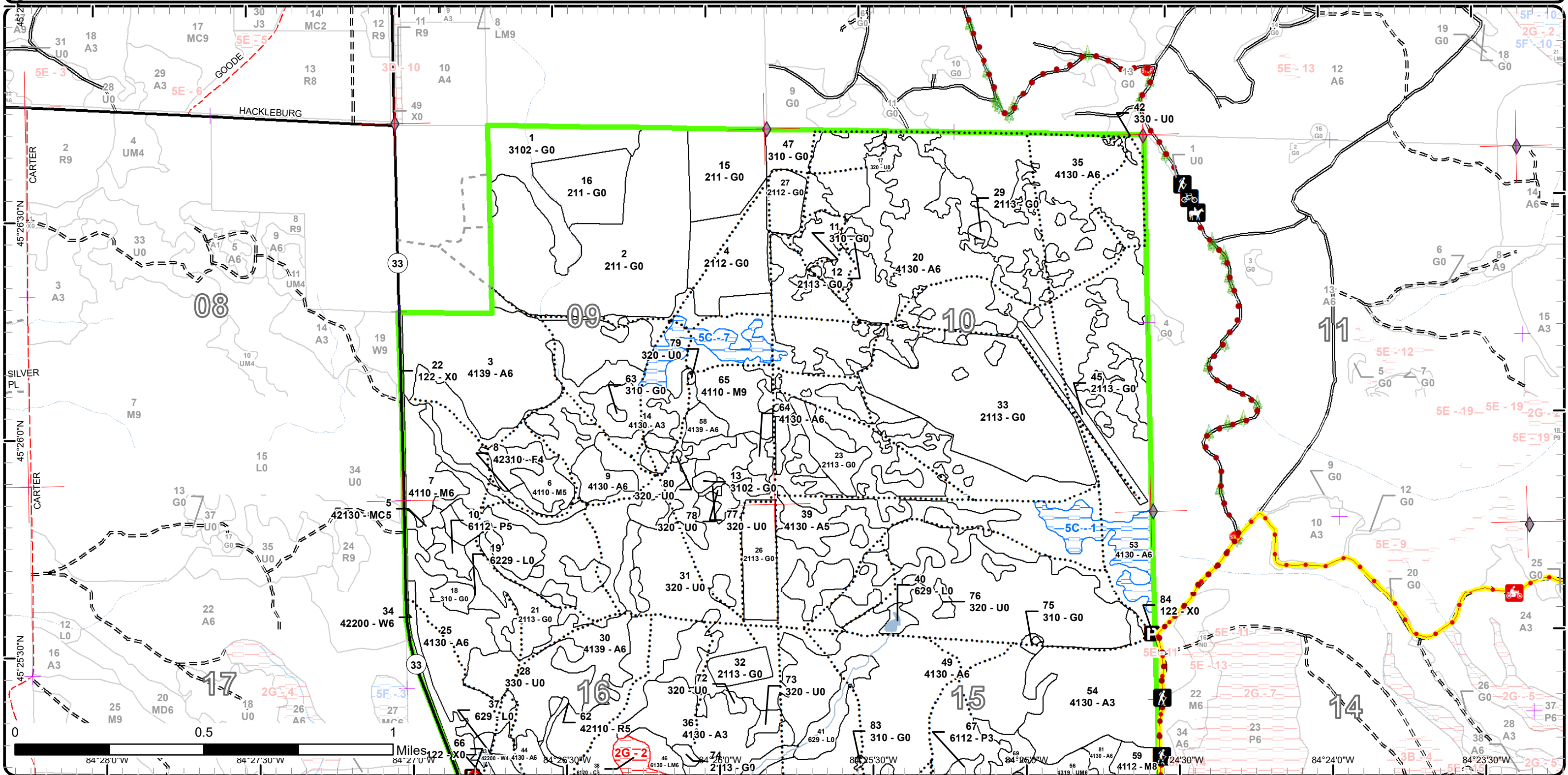


Special Conservation Areas & Site Conditions Map

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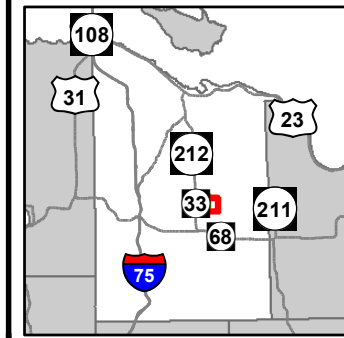


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- Stand Boundaries
- Cold Water Streams

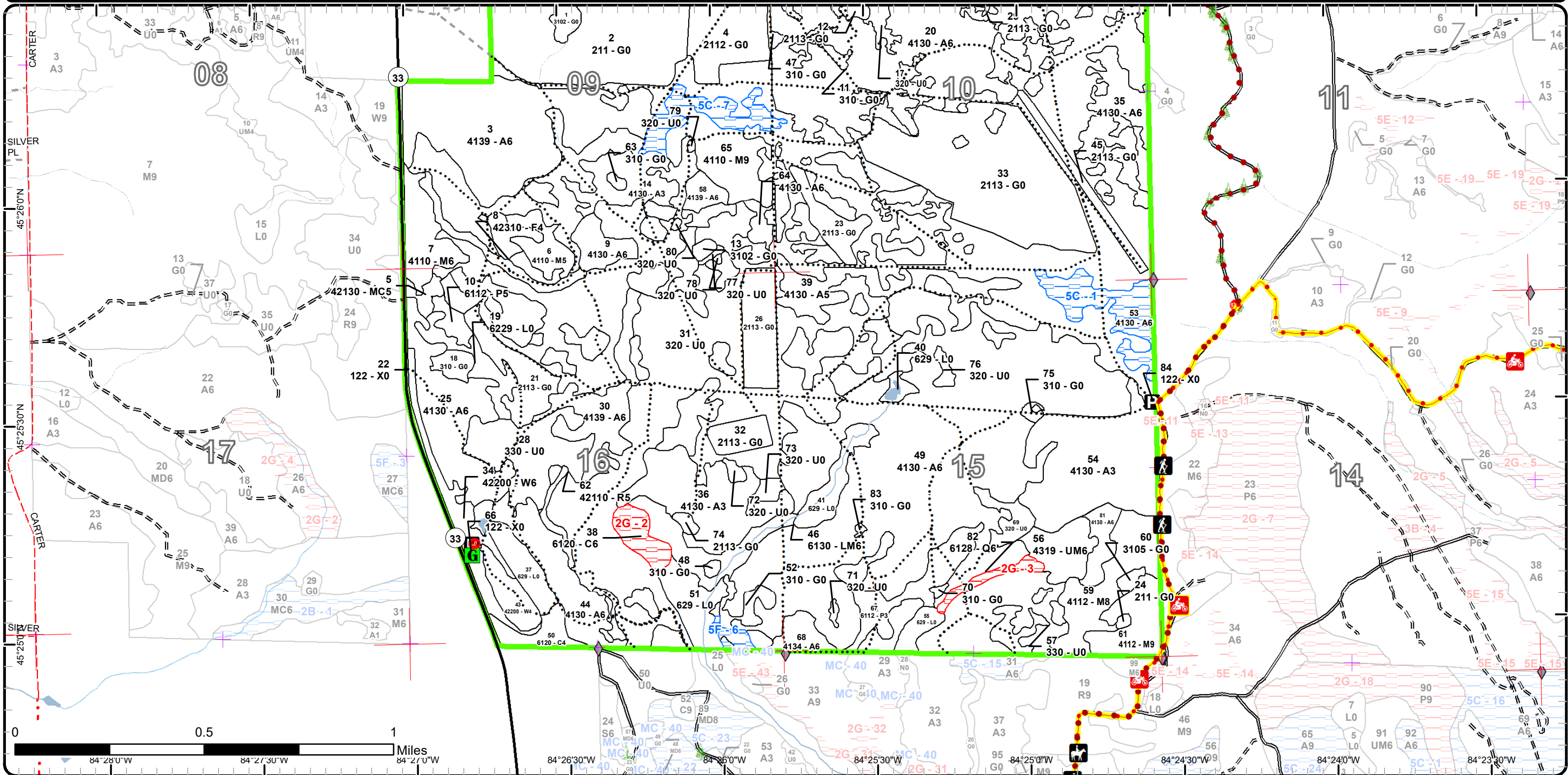


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- Cold Water Lakes





Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	59	341	426	121	103	0	0	0	0	0	0	0	0	0	0	0	1050
Cedar	0	0	0	0	0	0	0	8	0	0	9	0	0	0	0	0	0	0	17
Cropland	357	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	357
Herbaceous Openland	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
Low-Density Trees	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Lowland Aspen/Balsam Poplar	0	0	0	0	23	5	0	0	0	0	0	0	0	0	0	0	0	0	28
Lowland Conifers	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Lowland Mixed Forest	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	20
Lowland Shrub	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
Northern Hardwood	0	0	0	0	0	0	0	0	0	64	45	0	0	0	0	0	0	0	109
Planted Mixed Pines	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Red Pine	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Mixed Forest	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	14
Upland Shrub	572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	572
Upland Spruce/Fir	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
White Pine	0	0	0	10	17	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Total	1109	0	59	374	466	126	103	28	14	69	54	0	0	0	0	0	0	0	2402



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 190
Total Compartment Acres: 2,401

Commercial Harvest - 462
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	417	0	0	0	0	0	0	0	0	417
Northern Hardwood	45	0	0	0	0	0	0	0	0	45
Total	462	0	0	0	0	0	0	0	0	462

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	462	0	0	0	0	0	1	1038		1500
Next Step	0	0	0	0	0	462	0	0		462
Total	462	0	0	0	0	462	1	1038		1962



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
1	52190001-NF	33.4	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits

Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

2	52190002-NF	107.2	211 - Cropland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

3	52190003-Cut	82.5	4139 - Aspen, Mixed Deciduous	Poletimber Well	50	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2" and greater. Utilize the dead and down creation specification (5.2.4.4) in the sale contract to cut and leave one 12" or greater DBH tree per acre where feasible, preferably hardwood species. Focus one retention area along M-33 HWY where there are several northern red oak present. Other retention areas should be scattered ~1 acre pockets to equal about 3-5% of the harvest area to provide roosting and budding opportunities.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Well stocked aspen with mixed hardwood species.

Regen:

Other Harvesting and trucking operations will not be permitted from September 14th through November 30th because of heavy use by hunters in this GEM site. Landing sites will be rehabilitated by DNR WLD which may include discing, forage crop planting, and/or shrub planting once the harvest operations are complete.

Proposed Start Date: 10/1 /2018

4	52190004-NF	32.1	2112 - Row Crops	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
11	52190011-NF	3.6	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits

Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

12	52190012-NF	1.8	2113 - Forage Crops	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

13	52190013-NF	1.6	3102 - Grass	Nonstocked			NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

15	52190015-NF	28.3	211 - Cropland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
16	52190016-NF	24.4	211 - Cropland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits

Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

17	52190017-NF	15.1	320 - Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

18	52190018-NF	4.4	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

20	52190020-Cut	51.0	4130 - Aspen	Poletimber Well	27	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2" and greater. Utilize the dead and down creation specification (5.2.4.4) in the sale contract to cut and leave one 12" or greater

Specs: DBH tree per acre where feasible, preferably hardwood species. Retention areas should be scattered 1 acre pockets to equal about 3-5% of the harvest area to provide roosting and budding opportunities.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Well stocked aspen with mixed hardwood species.

Regen:

Other Harvesting and trucking operations will not be permitted from September 14th through November 30th because of heavy use by hunters in this

Comment: GEM site. Landing sites will be rehabilitated by DNR WLD which may include discing, forage crop planting, and/or shrub planting once the harvest operations are complete.

Proposed Start Date: 10/1 /2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
21	52190021-NF	16.6	2113 - Forage Crops	Nonstocked			NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits

Habitat Cut: No

Site Condition:

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

23	52190023-NF	10.4	2113 - Forage Crops	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No

Site Condition:

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

24	52190024-NF	0.8	211 - Cropland	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No

Site Condition:

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

25	52190025-Cut	36.7	4130 - Aspen	Poletimber Well	42	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Cut all trees 2" and greater. Utilize the dead and down creation specification (5.2.4.4) in the sale contract to cut and leave one 12" or greater DBH tree per acre where feasible, preferably hardwood species. Retention areas should be scattered ~1 acre pockets to equal about 3-5% of the harvest area to provide roosting and budding opportunities.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Well stocked aspen with mixed hardwood species.
Regen:

Other Harvesting and trucking operations will not be permitted from September 14th through November 30th because of heavy use by hunters in this GEM site. Landing sites will be rehabilitated by DNR WLD which may include discing, forage crop planting, and/or shrub planting once the harvest operations are complete.

Proposed Start Date: 10/1 /2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
26	52190026-NF	18.1	2113 - Forage Crops	Nonstocked			NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits

Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

27	52190027-NF	9.9	2112 - Row Crops	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

28	52190028-NF	30.4	330 - Low-Density Trees	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

29	52190029-NF	1.6	2113 - Forage Crops	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
30	52190030-Cut	17.1	4139 - Aspen, Mixed Deciduous	Poletimber Well	42	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2" and greater. Utilize the dead and down creation specification (5.2.4.4) in the sale contract to cut and leave one 12" or greater DBH tree per acre where feasible, preferably hardwood species. Retention areas should be scattered ~.5 acre pockets to equal about 3-5% of the harvest area to provide roosting and budding opportunities.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Well stocked aspen with mixed hardwood species.

Regen:

Other Harvesting and trucking operations will not be permitted from September 14th through November 30th because of heavy use by hunters in this GEM site. Landing sites will be rehabilitated by DNR WLD which may include discing, forage crop planting, and/or shrub planting once the harvest operations are complete.

Proposed Start Date: 10/1 /2018

31	52190031-NF	539.3	320 - Upland Shrub	Nonstocked			Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub	Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

32	52190032-NF	8.2	2113 - Forage Crops	Nonstocked				NonForestMgt	Other - Specify	310 - Herbaceous Openland	Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

33	52190033-NF	88.1	2113 - Forage Crops	Nonstocked			Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
35	52190035-Cut	42.6	4130 - Aspen	Poletimber Well	27	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2" and greater. Utilize the dead and down creation specification (5.2.4.4) in the sale contract to cut and leave one 12" or greater
Specs: DBH tree per acre where feasible, preferably hardwood species. Retention areas should be scattered 1 acre pockets to equal about 3-5% of the harvest area to provide roosting and budding opportunities.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Well stocked aspen with mixed hardwood species.

Regen:

Other Harvesting and trucking operations will not be permitted from September 14th through November 30th because of heavy use by hunters in this
Comment: GEM site. Landing sites will be rehabilitated by DNR WLD which may include discing, forage crop planting, and/or shrub planting once the harvest operations are complete.

Proposed Start Date: 10/1 /2018

39	52190039-Cut	45.9	4130 - Aspen	Poletimber Medium	38	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2" and greater. Utilize the dead and down creation specification (5.2.4.4) in the sale contract to cut and leave one 12" or greater
Specs: DBH tree per acre where feasible, preferably hardwood species. Retention areas should be scattered 1 acre pockets to equal about 3-5% of the harvest area to provide roosting and budding opportunities.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Well stocked aspen with mixed hardwood species.

Regen:

Other Harvesting and trucking operations will not be permitted from September 14th through November 30th because of heavy use by hunters in this
Comment: GEM site. Landing sites will be rehabilitated by DNR WLD which may include discing, forage crop planting, and/or shrub planting once the harvest operations are complete.

Proposed Start Date: 10/1 /2018

45	52190045-NF	8.1	2113 - Forage Crops	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2019

47	52190047-NF	16.9	310 - Herbaceous Openland	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
48	52190048-NF	1.0	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits

Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

49	52190049-Cut	124.4	4130 - Aspen	Poletimber Well	38		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2" and greater. Utilize the dead and down creation specification (5.2.4.4) in the sale contract to cut and leave one 12" or greater

Specs: DBH tree per acre where feasible, preferably hardwood species. Retention areas should be scattered 1 acre pockets to equal about 3-5% of the harvest area to provide roosting and budding opportunities.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Well stocked aspen with mixed hardwood species.

Regen:

Other Harvesting and trucking operations will not be permitted from September 14th through November 30th because of heavy use by hunters in this

Comment: GEM site. Landing sites will be rehabilitated by DNR WLD which may include discing, forage crop planting, and/or shrub planting once the harvest operations are complete. Sign and protect Recreational trails if used for hauling.

Proposed Start Date: 10/1 /2018

52	52190052-NF	7.8	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition: Evaluated for Forest Health**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

57	52190057-NF	7.7	330 - Low-Density Trees	Nonstocked		Unspecified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
58	52190058-Cut	5.3	4139 - Aspen, Mixed Deciduous	Poletimber Well	50	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2" and greater. Utilize the dead and down creation specification (5.2.4.4) in the sale contract to cut and leave one 12" or greater
Specs: DBH tree per acre where feasible, preferably hardwood species. No retention due to small stand size.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Well stocked aspen with mixed hardwood species.
Regen:

Other Harvesting and trucking operations will not be permitted from September 14th through November 30th because of heavy use by hunters in this
Comment: GEM site. Landing sites will be rehabilitated by DNR WLD which may include discing, forage crop planting, and/or shrub planting once the harvest operations are complete.

Proposed Start Date: 10/1 /2018

59	52190059- CCut	27.3	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	90	1-50	Harvest	Clearcut	4116 - Mixed N. Hardwood - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Final harvest this stand this YOE. Cut all trees 2" and larger at DBH except oak, hemlock, black cherry, and any resistant beech marked with a
Specs: band of green paint. Trees marked with a band of pink paint will be felled and left intact on the ground to function as ruffed grouse drumming logs. If whole tree chipping takes place, 4-8 brush piles will be created with unchipped tops at designated locations within the sale area. No harvest activity will occur between September 14 and November 15. Monitor post-harvest hardwood/aspen regen, with MO and additional treatments based on regen results. Possible species composition consisting of a combination of natural hardwood/aspen regen along with planted fruit bearing shrubs and clumps of white spruce.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable A mix of northern hardwood/aspen.
Regen:

Other Harvesting and trucking operations will not be permitted from September 14th through November 30th because of heavy use by hunters in this
Comment: GEM site. Landing sites will be rehabilitated by DNR WLD which may include discing, forage crop planting, and/or shrub planting once the harvest operations are complete. Sign and protect Recreational trails if used for hauling.

Proposed Start Date: 10/1 /2018

60	52190060-NF	1.9	3105 - Mixed Upland Herbaceous	Nonstocked	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
61	52190061- CCut	18.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	90	81-110	Harvest	Clearcut	4116 - Mixed N. Hardwood - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Final harvest this stand this YOE. Cut all trees 2" and larger at DBH except oak, hemlock, black cherry, and any resistant beech marked with a band of green paint. Trees marked with a band of pink paint will be felled and left intact on the ground to function as ruffed grouse drumming logs. If whole tree chipping takes place, 4-8 brush piles will be created with unchipped tops at designated locations within the sale area. No harvest activity will occur between September 14 and November 15. Monitor post-harvest hardwood/aspen regen, with MO and additional treatments based on regen results. Possible species composition consisting of a combination of natural hardwood/aspen regen along with planted fruit bearing shrubs and clumps of white spruce.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Mixed hardwood/aspen.
Regen:

Other Harvesting and trucking operations will not be permitted from September 14th through November 30th because of heavy use by hunters in this GEM site. Landing sites will be rehabilitated by DNR WLD which may include discing, forage crop planting, and/or shrub planting once the harvest operations are complete. Sign and protect Recreational trails if used for hauling.

Proposed Start Date: 10/1 /2018

63	52190063-NF	1.0	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

64	52190064-Cut	11.0	4130 - Aspen	Poetimber Well	38	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2" and greater. Utilize the dead and down creation specification (5.2.4.4) in the sale contract to cut and leave one 12" or greater DBH tree per acre where feasible, preferably hardwood species. Retention areas should be scattered 1 acre pockets to equal about 3-5% of the harvest area to provide roosting and budding opportunities.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Well stocked aspen with mixed hardwood species.
Regen:

Other Harvesting and trucking operations will not be permitted from September 14th through November 30th because of heavy use by hunters in this GEM site. Landing sites will be rehabilitated by DNR WLD which may include discing, forage crop planting, and/or shrub planting once the harvest operations are complete. Sign and protect Recreational trails if used for hauling.

Proposed Start Date: 10/1 /2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
66	52190066- Other	0.3	122 - Road/Parking Lot	Nonstocked	0	Unspec ified	Other	Other	122 - Road/Parking Lot		Proposal - Approval Pending Edits

Habitat Cut: No**Site Condition:**Prescription Parking lot maintenance.Specs:Next StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/1 /2019

69	52190069-NF	6.7	320 - Upland Shrub	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.Specs:Next StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/1 /2019

70	52190070-NF	0.7	310 - Herbaceous Openland	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.Specs:Next StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/1 /2019

71	52190071-NF	0.8	320 - Upland Shrub	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.Specs:Next StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
72	52190072-NF	1.5	320 - Upland Shrub	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal - Approval Pending Edits

Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

73	52190073-NF	3.0	320 - Upland Shrub	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

74	52190074-NF	1.6	2113 - Forage Crops	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

75	52190075-NF	1.2	310 - Herbaceous Openland	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
76	52190076-NF	3.7	320 - Upland Shrub	Nonstocked	0	Unspecified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal - Approval Pending Edits

Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

77	52190077-NF	0.3	320 - Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

78	52190078-NF	0.7	320 - Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

80	52190080-NF	0.4	320 - Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Other - Specify	320 - Upland Shrub		Proposal - Approval Pending Edits
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Habitat Cut: No**Site Condition:**

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
83	52190083-NF	0.4	310 - Herbaceous Openland	Nonstocked	0	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal - Approval Pending Edits

Habitat Cut: No

Site Condition:

Prescription Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

84	52190084-Other	0.2	122 - Road/Parking Lot	Nonstocked		Unspecified	Other	Other	122 - Road/Parking Lot		Proposal - Approval Pending Edits
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Habitat Cut: No

Site Condition:

Prescription Parking lot maintenance.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

Total Treatment Acreage Proposed: 1503.0

Report 4 – Site Conditions

Gaylord Mgt. Unit
Dan Heckman : Examiner

Compartment: 190
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		5C	5F	2G	ed
1050	1014	37	0	Aspen	37			
17	8	0	9	Cedar			9	
357	357	0	0	Cropland				
74	66	8	0	Herbaceous Openland		8		
39	39	0	0	Low-Density Trees				
27	27	0	0	Lowland Aspen/Balsam Poplar				
5	0	0	5	Lowland Conifers			5	
20	17	3	0	Lowland Mixed Forest		3		
57	57	0	0	Lowland Shrub		0		0
110	110	0	0	Northern Hardwood				
4	4	0	0	Planted Mixed Pines				
5	5	0	0	Red Pine				
14	14	0	0	Upland Mixed Forest				
572	572	0	0	Upland Shrub				
14	14	0	0	Upland Spruce/Fir				
9	9	0	0	Urban				
27	27	0	0	White Pine				
2,401	2,340	48	14	Total Forested Acres	37	11	14	0
	97%	2%	1%	Relative Percent				

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Dan Heckman : Examiner

Compartment: 190
Year of Entry: 2020

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unspecified	Unspecified	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Considered for SBW Salvage. Determined to be too patchy and has questionable operability on wet soils. Also appears to be left as retention or excluded due to ground conditions from adjacent aspen clearcuts when those stands were treated.							
6	Available	5F: Evaluated for Forest Health Considerations	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Considered for SBW Salvage. Determined to be too patchy and has questionable operability on wet soils. Also appears to be left as retention or excluded due to ground conditions from adjacent aspen clearcuts when those stands were treated.							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

Mgt. Unit

Compartment:

Year of Entry



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
3	4139 - Aspen, Mixed Deciduous	Poletimber Well	97.6	50	81-110	This stand is one of the few mature stands in the compartment of any size. It is a two aged stand, approx 50 and 80 year old age classes. There are areas where the older age class is well represented, and others where the 40 year old aspen seems to dominate the canopy. The hardwood is poor quality, very limby, majority of the aspen is healthy, some of the older aspen are declining in vigor. The stand provides a small representation of the larger size classes and age class that is not very prevalent in the rest of the comp. The 40 year old aspen need to mature 10-20 more years before stand is ready for a harvest.
5	42130 - Planted Scotch Pine	Poletimber Medium	3.6	28	1-50	
6	4110 - Sugar Maple Association	Poletimber Medium	10.1	85	51-80	This stand consists of open grown sugar maple, poor quality stems, limbs protrude from 90% of the boles on most trees. There are a few dense pockets that have better quality. It appears as though the aspen clones within the stand were harvested at the same time as stand 5, so in some areas there is a dense young aspen understory with hardwood mixed in as well.
7	4110 - Sugar Maple Association	Poletimber Well	29.7	85	51-80	Even aged stand of poor quality, multi-stemmed trees, dense understory of Iron wood and beech. Stand has several small non-forested openings in it that are less than 1 acre, also there are clones of mature aspen in the stand, as well as small pockets of young mixed pine, Jack, Scotch, white, and red.
8	42310 - Planted Spruce	Poletimber Poor	14.0	25	1-50	
9	4130 - Aspen	Poletimber Well	13.6	30		Small patches, multi poly stand. Good regen.
10	6112 - Lowland Aspen	Poletimber Medium	4.6	42		Nice stand of birch, and aspen... not very well stocked stand- aspen is poor quality.
14	4130 - Aspen	Sapling Well	56.1	20	Unspecified	
20	4130 - Aspen	Poletimber Well	150.5	27	51-80	High quality, dense BTA regen on upland site. Stand is in transition from saps to small poletimber. BA is presently about 60 sq. ft. Lesser amounts of quaking aspen and mixed hardwood also present. Stand was harvested in the winter of 1990-91, part of a large cut that took place the first winter that Mr. Peterson owned the ranch. Start breaking up this stand into multiple age classes starting this YOY by cutting a portion of the stand.
25	4130 - Aspen	Poletimber Well	38.7	42	Unspecified	Two aged stand of Aspen and hardwood. Appears as though the aspen was removed about 30 years ago, hardwood was left standing. The regenerating aspen is well established and doing well. The older hardwood and scattered 75 year old aspen provide current and future snags and den trees.
30	4139 - Aspen, Mixed Deciduous	Poletimber Well	29.0	42	51-80	



Stand	Gaylord Mgt. Unit		Report 7 – Forested Stands			Compartment: 190 Year of Entry: 2020	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
34	42200 - Natural White Pine	Poletimber Well	17.2	33	51-80		
35	4130 - Aspen	Poletimber Well	95.7	27	1-50	High quality, dense BTA regen in transition from saps to small poletimber, on an upland site. Present BA is about 50 sq. ft. Fairly dense mixed hardwood present in understory. Stand was harvested in the winter of 1990-91, part of a large cut that took place the first winter that Mr. Peterson owned the ranch. Break up the stand into multiple age classes by cutting a portion of it this YOY.	
36	4130 - Aspen	Sapling Well	38.6	20		Young aspen stand, one of the more recent cuts done under the management of Harry Peterson- need to verify age of the stand with him.	
38	6120 - Lowland Cedar	Poletimber Well	9.1	91	141-170	Black Spruce, Balsam Fir swamp, very dense, nice Elk runway all the way around the stand, lots of elk rubs as well. Standing water in most areas at the time of inventory.	
39	4130 - Aspen	Poletimber Medium	45.9	38	Unspecified		
43	42200 - Natural White Pine	Poletimber Poor	9.6	22	Immature	Sparse stand of open grown WP and other species, probably seeded in from mature WP/RP strip along M-33. There is scattered aspen around the perimeter of the stand and one dense clone near the south edge of the stand.	
44	4130 - Aspen	Poletimber Well	31.7	42		Aspen stand along a ridge, western edge of stand drops in elevation eventually converting to tag alder. Paper Birch is more prevalent in lower areas of the stand near the transition zone to the wetland type. There are scattered 75 year old sugar maple throughout the stand.	
46	6130 - Fir, Aspen, Maple	Poletimber Well	20.2	66	Unspecified	Slightly more upland than adjacent stands to the west, more deciduous spp in this compared to 38. Stand is low and wet, some sparse pockets where a drop in elevation creates standing water for most of the year.	
49	4130 - Aspen	Poletimber Well	340.4	38		This is an extremely dense stand, great regen from harvest	
50	6120 - Lowland Cedar	Poletimber Poor	8.4	66	Unspecified	Spruce fir swamp with areas of cattails, also a hole along south fence that has aspen and bf mix, small opening as well. There are two small intermitten streams that run through the stand, one on east and one on the west edge of the stand.	
53	4130 - Aspen	Poletimber Well	21.5	48	1-50		
54	4130 - Aspen	Sapling Well	59.0	15	Unspecified	Mixed aspen regen from 2003 final harvest. Some sparse areas exist, mostly in areas of poorly drained soil and where elk have browsed.	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
56	4319 - Mixed Upland Forest	Poletimber Well	13.8	75	111-140	Small stand of mostly variable sized balsam fir, quaking aspen, and red maple on an upland site with a couple areas of wet ground. A small drainage flows out of the west side of the stand. Stand will eventually be surrounded by young-aged aspen. Leave stand for wildlife thermal cover and diversity.
58	4139 - Aspen, Mixed Deciduous	Poletimber Well	5.3	50	81-110	This stand is one of the few mature stands in the compartment of any size. It is a two aged stand, approx 50 and 80 year old age classes. There are areas where the older age class is well represented, and others where the 40 year old aspen seems to dominate the canopy. The hardwood is poor quality, very limby, majority of the aspen is healthy, some of the older aspen are declining in vigor. The stand provides a small representation of the larger size classes and age class that is not very prevalent in the rest of the comp. The 40 year old aspen need to mature 10-20 more years before stand is ready for a harvest.
59	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	27.3	90	1-50	Lower stocked stand of open grown hardwood, mostly beech (scale present) and sugar maple, with occasional aspen clones and scattered red maple. Mostly sawlog sized trees. Dense, young beech regen in understory will dominate the stand at some point. Present BA is about 50 sq. ft. Final harvest this stand this YOE, along with Stand 61.
61	4112 - Maple, Beech, Cherry Association	Sawtimber Well	18.0	90	81-110	Mixed hardwood sawtimber/poletimber, mostly beech with scale. Lesser amounts of sugar maple, red maple, and a few big-toothed aspen clones are also present. Very dense beech understory. Crowns have now closed in and are quite large. Present BA is 104 sq. ft. Final harvest this stand this YOE along with Stand 59 adjacent to the west.
62	42110 - Planted Red Pine	Poletimber Medium	4.9	28	1-50	
64	4130 - Aspen	Poletimber Well	11.0	38	1-50	Stand is situated between stands 9 and 5.
65	4110 - Sugar Maple Association	Sawtimber Well	24.7	80	51-80	Stand of hardwood separated from stand 3 to the west.
67	6112 - Lowland Aspen	Sapling Well	22.6	38		This stand was separated form the larger stand 49 because of the QA component and lower ground. Smaller diameter stems here as well.
68	4134 - Aspen, Spruce/Fir	Poletimber Well	7.4	38	Unspecified	Stand was split from 49 because of the higher balsam fir component and lower ground.
81	4130 - Aspen	Poletimber Well	7.9	37	81-110	Small, well-stocked stand of almost entirely big toothed aspen poletimber. Scattered red maple present also. Located on high ground between beech stand and upland balsam fir stand. Possible final harvest in 10 - 20 years. Present BA is 103 sq. ft.
82	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	4.6	80	51-80	Lowland mix stand. Drainage runs through stand to the SW. Too wet to harvest. Good thermal cover.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	3102 - Grass	33.4	No	
2	211 - Cropland	107.2	Yes	
4	2112 - Row Crops	32.1	Yes	Standing Corn in 2017-18.
11	310 - Herbaceous Openland	3.6	No	Grass stand with scattered upland shrubs and encroaching aspen saplings. Several patches of autumn olive planted by former owner.
12	2113 - Forage Crops	1.8	Yes	Managed opening.
13	3102 - Grass	1.6	No	This opening would be ideal for mechanical disc and planting for wildlife.
15	211 - Cropland	28.3	Yes	
16	211 - Cropland	24.4	Yes	
17	320 - Upland Shrub	15.1	No	Scattered upland shrubs including several patches of autumn olive planted by former landowner.
18	310 - Herbaceous Openland	4.4	No	
19	6229 - Mixed lowland shrub	10.7	No	
21	2113 - Forage Crops	16.6	Yes	Stand was included in crop sharing last year after the state purchased the ranch, would like to continue management.
22	122 - Road/Parking Lot	8.3	No	Two aged stand of Aspen and hardwood. Appears as though the aspen was removed about 30 years ago, hardwood was left standing. The regenerating aspen is well established and doing well. The older hardwood and scattered 75 year old aspen provide current and future snags and den trees.
23	2113 - Forage Crops	10.4	Yes	
24	211 - Cropland	0.8	Yes	Low density stand of open grown hardwood, occasional aspen clones...
26	2113 - Forage Crops	18.1	Yes	Stand was included in crop sharing last year after the state purchased the ranch, would like to continue management.
27	2112 - Row Crops	9.9	Yes	Stand was planted to field corn last year.



Stand	Cover Type	Acres	Managed Site	General Comments:
28	330 - Low-Density Trees	30.4	No	Open grown, very sparse stand, just into the 25-50% class to call it forested. Rolling hills. Dense pocket near Eastern edge of stand with a BA 70-100.
29	2113 - Forage Crops	1.6	Yes	
31	320 - Upland Shrub	539.3	No	
32	2113 - Forage Crops	8.2	Yes	Stand was included in crop sharing last year after the state purchased the ranch, would like to continue management.
33	2113 - Forage Crops	88.1	Yes	
37	629 - Mixed non-forested wetland	12.8	No	
40	629 - Mixed non-forested wetland	2.9	No	
41	629 - Mixed non-forested wetland	11.3	No	
42	330 - Low-Density Trees	1.2	No	
45	2113 - Forage Crops	8.1	Yes	
47	310 - Herbaceous Openland	16.9	No	Herbaceous openland with scattered low shrubs and encroaching aspen. A few apple trees and autumn olives shrubs have been planted in this stand by the former landowner.
48	310 - Herbaceous Openland	1.0	Yes	
51	629 - Mixed non-forested wetland	14.6	No	
52	310 - Herbaceous Openland	7.8	No	
55	629 - Mixed non-forested wetland	5.2	No	
57	330 - Low-Density Trees	7.7	No	
60	3105 - Mixed Upland Herbaceous	1.9	No	This opening would be ideal for mechanical disc and planting for wildlife.



Stand	Cover Type	Acres	Managed Site	General Comments:
63	310 - Herbaceous Openland	1.0	No	
66	122 - Road/Parking Lot	0.3	No	GEMS site west parking lot.
69	320 - Upland Shrub	6.7	No	Mixed upland brush and encroaching aspen saps. Former landowner also planted a few autumn olive shrubs.
70	310 - Herbaceous Openland	0.7	No	This is an extremely dense stand, great regen from harvest
71	320 - Upland Shrub	0.8	No	This is an extremely dense stand, great regen from harvest
72	320 - Upland Shrub	1.5	No	Young aspen stand, one of the more recent cuts done under the management of Harry Peterson- need to verify age of the stand with him.
73	320 - Upland Shrub	3.0	No	Young aspen stand, one of the more recent cuts done under the management of Harry Peterson- need to verify age of the stand with him.
74	2113 - Forage Crops	1.6	Yes	
75	310 - Herbaceous Openland	1.2	Yes	This is an extremely dense stand, great regen from harvest
76	320 - Upland Shrub	3.7	No	This is an extremely dense stand, great regen from harvest
77	320 - Upland Shrub	0.3	No	
78	320 - Upland Shrub	0.7	No	
79	320 - Upland Shrub	0.4	No	
80	320 - Upland Shrub	0.4	Yes	
83	310 - Herbaceous Openland	0.4	No	This is an extremely dense stand, great regen from harvest
84	122 - Road/Parking Lot	0.2	No	East parking lot.